

ABSTRACT OF THE DISCLOSURE

The present invention is directed to cleaning compositions for metal surfaces, including both concentrates and ready-to-use solutions. These compositions include a source of calcium ion, a source of alkalinity, a chelating agent, and a surfactant. In some 5 embodiments, a water-soluble or water-dispersible acid-substituted polymer is also included. Additionally, in some embodiments, specific surfactants or chelating agents are used to enhance the performance of the composition.